WBLE-SL ▶ UECM3463-202305-EZZ ▶ Quizzes ▶ 202306UECM34630E1b ▶ Review of preview										
			Update this Quiz							
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202306UECM34630E1b										
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Review of preview										
	Wednesday, 12 July 2023, 11:31 AM Wednesday, 12 July 2023, 11:31 AM									
Time taken	19 secs 0 out of a maximum of 10 (0 %)									
Grade	out of a maximum of 10 (0%)									
1 🕏	You are given:									
Marks: 1	 The coverage limit is 10,100. The expected value of the loss before co 	uncidering the coverage limit is 0.220								
	 The expected value of the loss before co The probability of a claim for 10,100 or The mean excess loss at 10,100 is 20,00 	more is 0.10.								
	The mean excess loss at 10,100 is 20,0. Determine the average claim paid less than 10.									
	Determine the average claim paid less than 10	,100								
	Answer:									
		^								
	Make comment or override grade Incorrect									
	Correct answer: 7021.111111									
	Marks for this submission: 0/1.									
2 👺	You are given the following information:									
Marks: 1	The amount of an individual claim has a	n exponential distribution with mean λ								
	• The parameter λ has a probability densi									
	where K is a constant.	$\Pi(\Lambda) = \Lambda \Lambda e^{-\frac{1}{2}}, \Lambda \geq 0$								
	Determine the expected claim size greater tha	1 32								
	Answer:	X								
	Make comment or override grade									
	Incorrect Correct answer: 53.333333									
	Marks for this submission: 0/1.									
3 🕏	The probability density function of loss amount									
Marks: 1	An insurance coverage for these losses has an	$f(x) = 4(440-x)^3/440^4, 0 < x \le 440$ ordinary deductible of 100 Calculate the mean excess loss at 100								
	Answer:	X								
	Make comment or override grade									
	2									

Marks for this submission: 0/1.

4 👺 Marks: 1	Let X be a discrete random variable v	with probability generating function $P_X(z) = 0.31z^{280} + 0.29z^{840} + 0.16z^{1400} + 0.14z^{1960} + 0.10z^{2520}$	
	Calculate LER(1,500)		
	Answer:		_ x
	Make comment or override grade		
	Incorrect Correct answer: 0.84604		
	Marks for this submission	0: 0/1.	
5 🕏	An individual losses has the Parete d	istribution with parameters $a=3$ and $\theta=150$ with deductible of 59.4, coinsurance of 81% and a loss limit of 118.80 (b	efers application of the deductible and coincurance) are applied to each individual
Marks: 1		inflation. Determine the variance of the loss payment on the per payment basic.	entre application of the deductible and comsurance) are applied to each individual
	Answer:		-
	Allswei.		_X
	Make comment or override grade Incorrect		
	Correct answer: 286.05	0.0/1	
	Marks for this submission	1. 0/1.	
6 🕏		the revenue from ticket sales for a home game is being modeled as a Pareto distribution with $\alpha = 4$ and $\theta = 1,000,000$.	
Marks: 1	The amount of bonds is 9% of the re	venue in excess of 800,000. If there are 10 home games in each football season, calculate the expected bonus the footb	idii Codeli receives edeli rootodii sedsoii
	Answer:		7 x
	Make comment or override grade		
	Incorrect Correct answer: 51440.329218		
	Marks for this submission	n: 0/1.	
7 🕏 Marks: 1	Annual losses follow a Pareto distribu	ution with $a=4.00$ and $\theta=1,050$. Calculate VaR _{0.990}	
	Answer:	Г	٦,
	Make comment or override grade Incorrect		
	Correct answer: 2270.391543 Marks for this submission	n: 0/1.	
8 🗹 Marks: 1	Annual losses follow a Pareto distribu	ution with parameters $a = 4$ and $\theta = 900$. TVaR _p = 1,429, Determine p	
	Answer:		٦
			X
	Make comment or override grade Incorrect		
	Correct answer: 0.929523 Marks for this submission	n: 0/1	
	1.0.10 101 (1115 505/11155/01		
9 😰	The losses experienced by an insurar	nce company have the following probability distribution:	
Marks: 1		Loss size Probability 0 0.60	

Calculate the CTE _{0.69}		110 210 1,220	0.25 0.10 0.05			
Answer:				X		
Make comment or override grade						
Incorrect Correct answer: 321.290323 Marks for this submission	o: 0/1.					
10 🗑 Annual loss	es follow a Pareto distribution with $a = 3$.	70 and θ = 1,570. Calculate the difference	e between $TVaR_{0.95}$ and $VaR_{0.95}$			
Answer:					x	
Make comm	ent or override grade					
	wer: 1306.67037 or this submission: 0/1.					

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